

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An apparatus for discharging a material to an object, comprising:

an ink jet head that contains a plurality of heads, each having a nozzle row, the nozzle row having an arrangement of a plurality of nozzles;

a supporting mechanism that supports the plurality of heads;

a mechanism that scans at least one of the object and the supporting mechanism relative to each other in a scanning direction; and

a control device that moves the ink jet head, the control device including ~~first, second and third motors that rotate about first, second and third orthogonal axes, respectively, the third axis being parallel to the scanning direction,~~ at least a first motor for oscillating and rotating the ink jet head around an axis parallel to the scanning direction, a second motor for oscillating and rotating the ink jet head around an axis parallel to a sub-scanning direction that is perpendicular to the scanning direction, and a third motor for moving the ink jet head orthogonal to the plane defined by the scanning direction and the sub-scanning direction,

wherein the nozzle row is inclined relative to the scanning direction.

2. (Original) An apparatus for discharging a material according to Claim 1, the plurality of the heads being supported obliquely relative to a longitudinal direction of the supporting mechanism.

3. (Original) An apparatus for discharging a material according to Claim 1, at least one of the object and the supporting mechanism being scanned relative to the other in at least one of a main scanning direction and a sub-scanning direction crossing the main scanning direction.

4. (Original) An apparatus for discharging a material according to Claim 1, the plurality of the heads having substantially a same nozzle pitch of the nozzle rows, and substantially a same inclination angle of the nozzle rows.

5. (Currently Amended) An apparatus for discharging a material to an object, comprising:

an ink jet head that contains a plurality of heads, each having a nozzle row, the nozzle row having an arrangement of a plurality of nozzles;

a supporting mechanism that supports the plurality of the heads;

a mechanism that scans at least one of the object and the supporting mechanism relative to each other;

a control device that moves the ink jet head, the control device including ~~first, second and third motors that rotate about first, second and third orthogonal axes, respectively, the third axis being parallel to a scanning direction~~ at least a first motor for oscillating and rotating the ink jet head around an axis parallel to the scanning direction, a second motor for oscillating and rotating the ink jet head around an axis parallel to a sub-scanning direction that is perpendicular to the scanning direction, and a third motor for moving the ink jet head orthogonal to the plane defined by the scanning direction and the sub-scanning direction; and

a mechanism that controls an angle formed by at least one of the nozzle rows and the scanning direction.

6. (Original) An apparatus for discharging a material according to Claim 5, further comprising:

a mechanism for controlling a spacing between the plurality of the nozzle rows.

7. (Original) An apparatus for discharging a material according to Claim 5, the mechanism that controls the angle between at least one nozzle row and the scanning direction

controlling the angle in such a manner that the plurality of the heads have substantially the same nozzle pitch of the nozzle rows and substantially the same inclination angle of the nozzle rows.

8-12. (Canceled)

13. (Original) An apparatus for producing a color filter comprising a discharging apparatus according to Claim 1,

a color filter material being the material that is discharged to a substrate serving as the object.

14. (Original) An apparatus for manufacturing an EL device comprising a discharging apparatus according to Claim 1,

an EL luminescent material being the material that is discharged to a substrate serving as the object.

15. (Canceled)

16. (Currently Amended) An apparatus for producing a color filter, comprising:
an ink jet head that contains a plurality of heads, each having a nozzle row, the nozzle row including an arrangement of a plurality of nozzles;

a control device that moves the ink jet head, the control device including ~~first, second and third motors that rotate about first, second and third orthogonal axes, respectively, the third axis being parallel to a scanning direction~~ at least a first motor for oscillating and rotating the ink jet head around an axis parallel to the scanning direction, a second motor for oscillating and rotating the ink jet head around an axis parallel to a sub-scanning direction that is perpendicular to the scanning direction, and a third motor for moving the ink jet head orthogonal to the plane defined by the scanning direction and the sub-scanning direction;

a mechanism that supplies a filter material to the heads; and

a supporting mechanism that supports the plurality of the heads,

wherein the supporting mechanism supports the plurality of the heads in an inclined state.

17. (Original) An apparatus for producing a color filter according to Claim 16, the supporting mechanism supporting the heads in a fixed state.

18. (Original) An apparatus for producing a color filter according to Claim 16, the plurality of the heads having substantially a same nozzle pitch of the nozzle rows, and substantially a same inclination angle of the nozzle rows.

19. (Currently Amended) An apparatus for producing a color filter, comprising:
an ink jet head that contains a plurality of heads, each having a nozzle row, the nozzle row including an arrangement of a plurality of nozzles;

a mechanism that supplies a filter material to the heads;

a supporting mechanism that supports the plurality of the heads;

a main scanning mechanism that moves the supporting mechanism by main scanning;

a sub-scanning mechanism that moves the supporting mechanism by sub-scanning;

a control device that moves the ink jet head, the control device including ~~first, second and third motors that rotate about first, second and third orthogonal axes, respectively, the third axis being parallel to a scanning direction~~ at least a first motor for oscillating and rotating the ink jet head around an axis parallel to the scanning direction, a second motor for oscillating and rotating the ink jet head around an axis parallel to a sub-scanning direction that is perpendicular to the scanning direction, and a third motor for moving the ink jet head orthogonal to the plane defined by the scanning direction and the sub-scanning direction;

a nozzle row angle control mechanism that controls the inclination angles of the plurality of the nozzle rows; and

a nozzle row spacing control mechanism that controls a spacing between the plurality of the nozzle rows.

20. (Original) An apparatus for producing a color filter according to Claim 19, the plurality of the heads having substantially a same nozzle pitch and substantially a same inclination angle of the nozzle rows.

21-22. (Canceled)

23. (Currently Amended) An apparatus for manufacturing a liquid crystal device, comprising:

an ink jet head that contains a plurality of heads, each having a nozzle row, the nozzle row including an arrangement of a plurality of nozzles;

a control device that moves the ink jet head, the control device including ~~first, second and third motors that rotate about first, second and third orthogonal axes, respectively, the third axis being parallel to a scanning direction~~ at least a first motor for oscillating and rotating the ink jet head around an axis parallel to the scanning direction, a second motor for oscillating and rotating the ink jet head around an axis parallel to a sub-scanning direction that is perpendicular to the scanning direction, and a third motor for moving the ink jet head orthogonal to the plane defined by the scanning direction and the sub-scanning direction;

a mechanism that supplies a filter material to the heads;

a supporting mechanism that supports the plurality of the heads;

a main scanning mechanism that moves the supporting mechanism by main scanning; and

a sub-scanning mechanism that moves the supporting mechanism by sub-scanning,

wherein the supporting mechanism supports the plurality of the heads in an inclined state.

24. (Canceled)

25. (Currently Amended) An apparatus for manufacturing an EL device, comprising:

an ink jet head that contains a plurality of heads, each having a nozzle row, the nozzle row having an arrangement of a plurality of nozzles;

a control device that moves the ink jet head, the control device including ~~first, second and third motors that rotate about first, second and third orthogonal axes, respectively, the third axis being parallel to a scanning direction~~ at least a first motor for oscillating and rotating the ink jet head around an axis parallel to the scanning direction, a second motor for oscillating and rotating the ink jet head around an axis parallel to a sub-scanning direction that is perpendicular to the scanning direction, and a third motor for moving the ink jet head orthogonal to the plane defined by the scanning direction and the sub-scanning direction;

a mechanism that supplies an EL luminescent material to the heads;

a supporting mechanism that supports the plurality of the heads;

a main scanning mechanism that moves the supporting mechanism by main scanning;

a sub-scanning mechanism that moves the supporting mechanism by sub-scanning;

a nozzle row angle control mechanism that controls the inclination angles of the plurality of the nozzle rows; and

a nozzle row distance control mechanism that controls a spacing between the plurality of the nozzle rows.

26. (Canceled)